

## DATA RATE CONTROLLER

## ABSTRACT

The present invention provides a data rate controller system for determining the coder used, and hence the data rate, for a plurality of channels in an associated network. Each channel provides statistical information about an associated signal to a central controller (or call/resource manager). The controller considers the information and sends control instructions to each channel for selecting an appropriate coder and/or data rate. The statistical information might include lost-frame rate, jitter, call event discrimination, and system resource utilization. By considering each channel from a centralized standpoint, the network can be optimized according to network capabilities and channel resource capabilities. A profile might also be used where each channel autonomously chooses a coder based upon background noise derived from the source signal.

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